

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P321560

Luminaire Tested: **GAN-SA6B-730-U-T3R-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P321560
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-11)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6B-730-U-T3R-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23940 lumens
Efficiency: N/A
Efficacy: 96.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G4

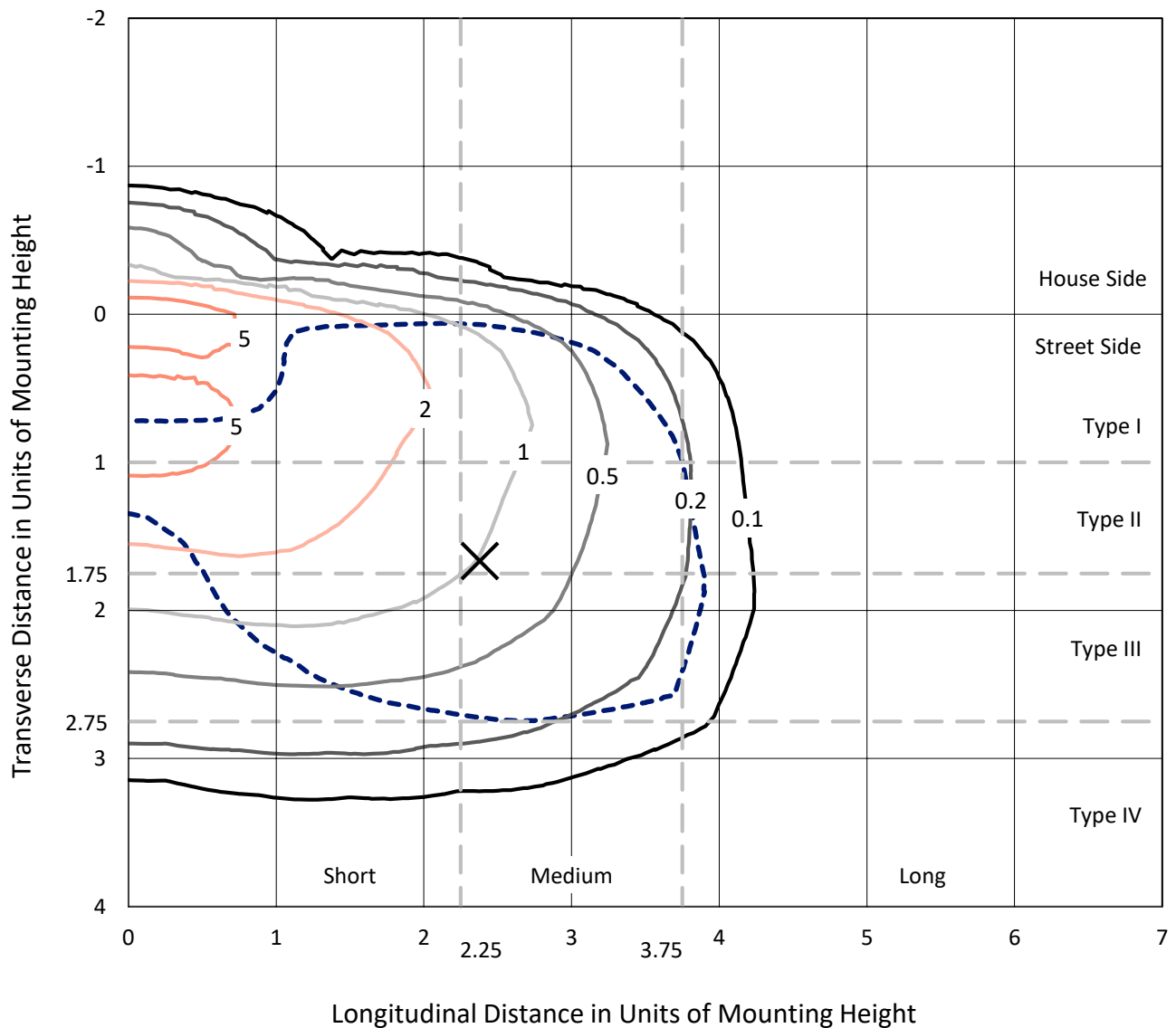
Input Watts (W): 249
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

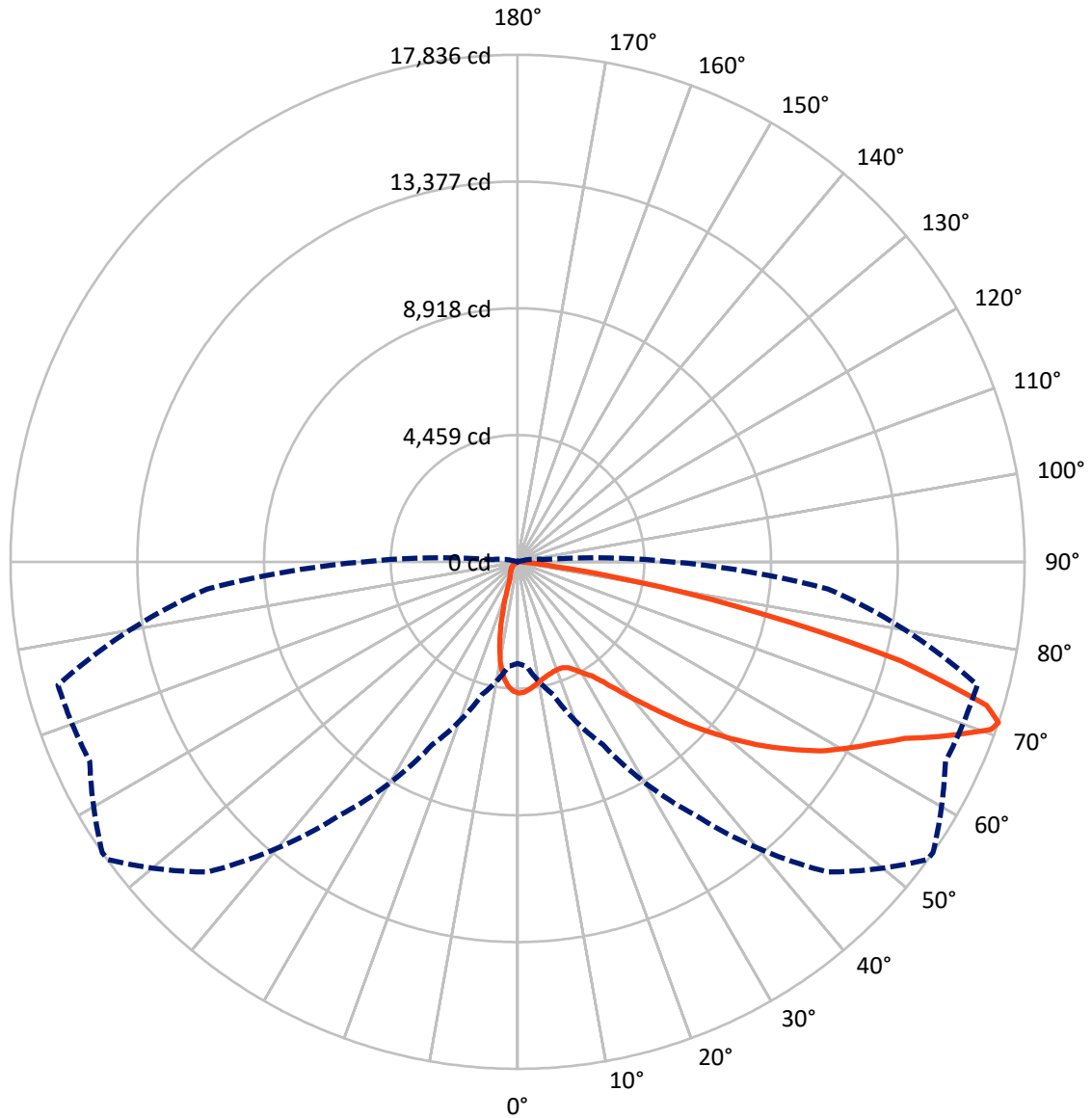
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.6 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical

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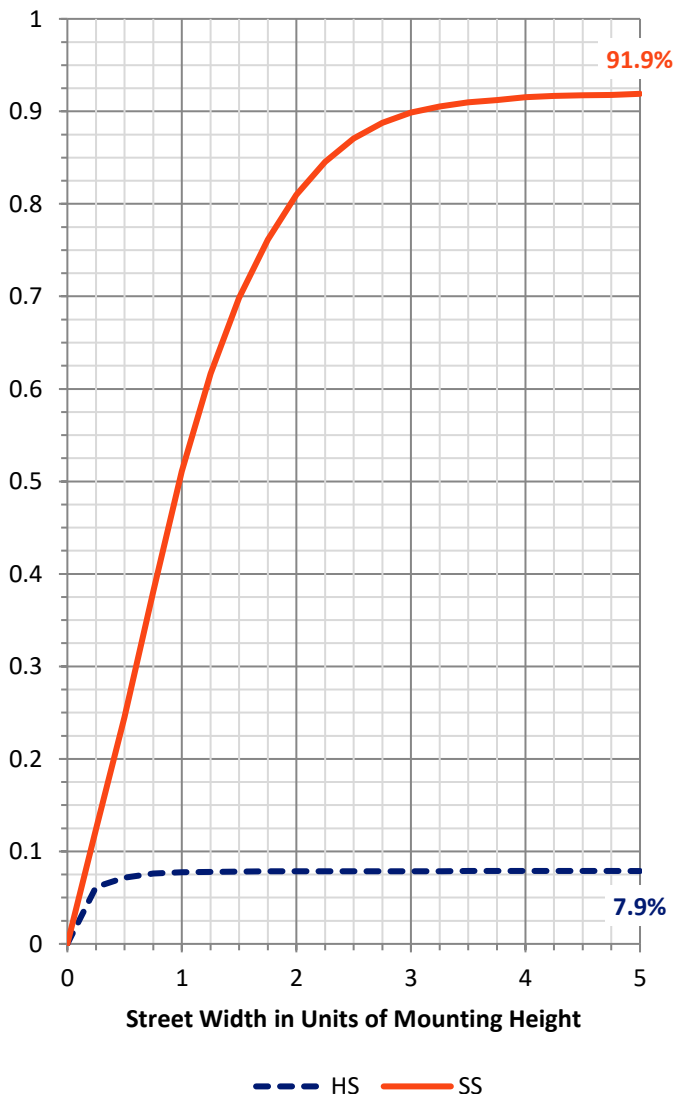
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1895.4	0.0	1895.4
	% Fixture	7.9	0.0	7.9
Street Side	Lumens	22044.6	0.0	22044.6
	% Fixture	92.1	0.0	92.1
Total	Lumens	23940.0	0.0	23940.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	393.7	1.6
10°-20°	888.7	3.7
20°-30°	1428.2	6.0
30°-40°	2426.5	10.1
40°-50°	3766.3	15.7
50°-60°	5063.7	21.2
60°-70°	6194.6	25.9
70°-80°	3621.8	15.1
80°-90°	156.5	0.7
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	23940.0	100.0
0°-180°	23940.0	100.0

Coefficient of Utilization

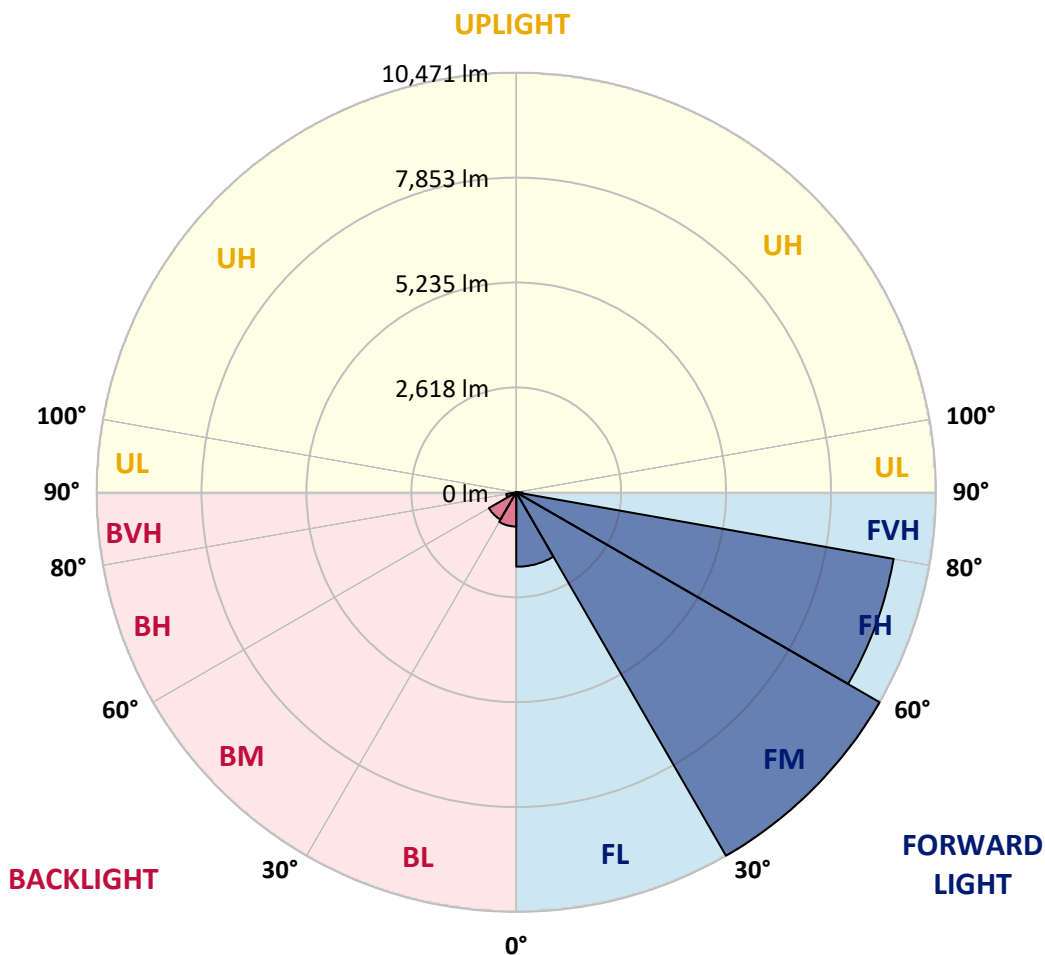


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1857.4	7.8			
FM (30°-60°)	10470.7	43.7			
FH (60°-80°)	9562.4	39.9			G4/12000
FVH (80°-90°)	154.1	0.6			G2/225
BL (0°-30°)	853.1	3.6	B2/1000		
BM (30°-60°)	785.9	3.3	B1/1000		
BH (60°-80°)	253.9	1.1	B1/500		G1/500
BVH (80°-90°)	2.5	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	4616.9	4616.9	4616.9	4616.9	4616.9	4616.9	4616.9	4616.9	4616.9	4616.9	4616.9
2.5°	4481.5	4486.8	4506.2	4514.8	4535.2	4569.6	4586.8	4587.9	4615.8	4626.6	4635.2
5°	4164.4	4196.6	4228.9	4263.3	4325.6	4408.4	4490.1	4497.6	4587.9	4654.5	4690.0
7.5°	3891.3	3920.3	3959.0	4013.9	4102.0	4232.1	4368.6	4384.7	4555.6	4707.2	4786.8
10°	3610.8	3634.4	3690.3	3770.9	3892.4	4066.5	4250.4	4277.2	4526.6	4778.2	4917.9
12.5°	3310.8	3324.8	3392.5	3508.6	3687.1	3908.5	4150.4	4185.9	4508.3	4859.9	5072.7
15°	3083.0	3089.4	3153.9	3274.3	3478.5	3766.6	4073.0	4116.0	4512.6	4957.7	5241.5
17.5°	3024.9	3028.1	3062.5	3145.3	3325.9	3639.8	4011.7	4064.4	4525.5	5053.3	5411.3
20°	3260.3	3237.8	3202.3	3189.4	3266.8	3563.5	3975.2	4034.3	4542.7	5138.3	5563.9
22.5°	3906.4	3839.7	3692.5	3495.7	3376.4	3568.8	3984.8	4044.0	4597.6	5242.5	5740.2
25°	4865.2	4772.8	4522.3	4135.3	3763.4	3723.6	4065.5	4125.7	4704.0	5367.2	5909.0
27.5°	5956.3	5864.9	5558.6	5006.0	4371.8	4030.0	4250.4	4306.3	4862.0	5478.0	6038.0
30°	7001.2	6975.4	6614.2	5986.4	5137.2	4526.6	4489.0	4536.3	4979.2	5544.6	6140.1
32.5°	7886.9	7846.1	7555.8	6945.3	6013.3	5123.2	4769.6	4783.5	5067.3	5630.6	6273.4
35°	8708.2	8657.7	8402.9	7825.6	6911.9	5852.0	5201.7	5181.3	5259.7	5803.7	6466.9
37.5°	9425.2	9471.4	9188.7	8639.4	7718.1	6609.9	5784.3	5723.0	5560.7	6085.3	6747.5
40°	10025.0	10025.0	9877.7	9419.8	8588.9	7393.5	6443.3	6362.6	6013.3	6519.6	7103.3
42.5°	10241.1	10287.3	10342.1	10083.0	9368.2	8208.3	7177.4	7093.6	6650.7	7135.5	7552.6
45°	10254.0	10327.1	10607.6	10606.5	10072.3	9017.8	8005.2	7965.4	7467.7	7926.7	8109.4
47.5°	10072.3	10163.7	10625.9	10888.2	10630.2	9771.3	8910.3	8860.8	8427.6	8896.3	8692.1
50°	9791.7	9892.8	10430.3	10998.9	11009.6	10427.0	9863.8	9789.6	9484.3	10004.6	9294.0
52.5°	9289.7	9485.4	10255.0	11024.7	11259.0	10993.5	10771.0	10738.8	10666.7	11072.0	9773.5
55°	8215.9	8433.0	9815.4	11033.3	11490.2	11495.5	11621.3	11629.9	11775.0	12069.6	10130.3
57.5°	7708.5	7831.0	9047.9	11074.1	11833.1	12065.3	12487.7	12554.4	12779.0	13016.6	10537.7
60°	7389.2	7534.3	8669.5	11018.2	12371.6	12812.3	13290.7	13313.3	13554.1	13993.7	11089.2
62.5°	7134.5	7277.4	8430.8	10803.3	12976.8	13711.0	14075.4	14077.6	14258.2	15157.9	11715.9
65°	6505.6	6626.0	7948.2	10561.4	13376.7	14600.0	14987.0	14973.0	15120.3	16385.5	12443.6
67.5°	5596.2	5688.6	6962.5	9644.5	13226.2	15408.3	16362.9	16316.7	16138.2	17446.5	12729.6
70°	4326.7	4360.0	5487.6	8037.4	11815.9	15719.0	17692.6	17669.0	16762.8	17256.2	11681.5
71°	3576.4	3686.0	4836.2	7093.6	10871.0	15432.0	17821.6	17835.6	16605.8	16738.1	10960.2
72.5°	2076.8	2170.3	3505.4	5447.9	9229.5	14234.5	17153.0	17254.0	15872.7	15224.5	9361.7
75°	445.0	476.2	1299.6	2636.9	5077.0	9976.6	13539.0	13899.1	12937.0	10357.2	5642.4
77.5°	309.6	334.3	556.8	1196.4	1678.0	4929.7	8410.4	8816.7	7728.9	3892.4	1805.9
80°	245.1	273.0	434.3	591.2	453.6	1589.9	3939.7	4188.0	2577.7	868.6	304.2
82.5°	136.5	162.3	338.6	319.3	174.1	302.1	1102.9	1246.9	516.0	175.2	72.0
85°	39.8	48.4	218.2	232.2	74.2	58.0	188.1	233.3	97.8	46.2	32.2
87.5°	0.0	0.0	105.3	89.2	21.5	8.6	17.2	19.3	19.3	19.3	21.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4616.9	4616.9	4616.9	4616.9	4616.9	4616.9	4616.9	4616.9	4616.9	4616.9	4616.9
2.5°	4635.2	4642.7	4615.8	4580.4	4542.7	4496.5	4448.1	4410.5	4409.4	4391.2	4372.9
5°	4692.2	4687.9	4613.7	4500.8	4367.5	4228.9	4096.6	3947.2	3897.8	3836.5	3816.1
7.5°	4797.5	4767.4	4610.5	4363.2	4070.8	3780.6	3480.7	3178.6	3049.6	2933.5	2913.1
10°	4929.7	4872.8	4590.0	4156.8	3620.4	3085.1	2632.6	2221.9	2041.3	1902.7	1896.2
12.5°	5067.3	4980.2	4533.1	3845.1	3030.3	2277.8	1756.5	1352.3	1201.8	1105.0	1113.6
15°	5211.4	5081.3	4410.5	3424.8	2358.4	1545.8	1079.3	841.7	781.5	756.8	763.2
17.5°	5358.6	5151.2	4239.6	2918.5	1695.2	997.6	747.1	680.4	680.4	685.8	688.0
20°	5486.6	5188.8	3988.1	2350.9	1149.1	726.7	653.6	643.9	649.3	657.9	658.9
22.5°	5613.4	5190.9	3660.2	1775.8	804.1	636.4	622.4	618.1	621.3	631.0	632.1
25°	5716.6	5165.1	3249.6	1263.1	641.7	599.8	593.4	591.2	593.4	605.2	605.2
27.5°	5758.5	5071.6	2748.6	887.9	575.1	559.0	556.8	559.0	562.2	570.8	571.9
30°	5762.8	4908.2	2202.6	642.8	521.4	504.2	508.5	516.0	512.8	510.6	512.8
32.5°	5773.6	4719.0	1670.5	528.9	476.2	449.3	444.0	444.0	431.1	423.5	419.2
35°	5809.0	4496.5	1211.5	475.1	430.0	398.8	378.4	354.7	330.0	317.1	313.9
37.5°	5864.9	4263.3	867.5	439.7	389.1	353.7	315.0	273.0	237.6	227.9	227.9
40°	5967.1	4022.5	641.7	411.7	356.9	312.8	254.8	199.9	167.7	162.3	162.3
42.5°	6128.3	3768.8	511.7	387.0	328.9	270.9	194.6	145.1	121.5	118.2	117.2
45°	6296.0	3489.3	447.2	363.3	298.8	222.5	144.0	107.5	93.5	90.3	90.3
47.5°	6463.7	3191.5	416.0	340.8	269.8	173.1	107.5	84.9	78.5	78.5	79.5
50°	6605.6	2880.9	393.4	316.0	232.2	131.1	84.9	72.0	69.9	74.2	75.2
52.5°	6641.0	2575.6	365.5	284.9	186.0	100.0	69.9	63.4	63.4	63.4	63.4
55°	6619.5	2339.1	328.9	246.2	137.6	79.5	60.2	55.9	54.8	54.8	54.8
57.5°	6692.6	2199.3	263.4	191.3	98.9	64.5	52.7	49.4	47.3	46.2	46.2
60°	6839.9	2108.0	188.1	137.6	74.2	53.7	45.1	41.9	38.7	36.5	36.5
62.5°	7035.6	2028.4	139.7	102.1	57.0	43.0	37.6	34.4	30.1	27.9	27.9
65°	7186.0	1886.5	106.4	76.3	43.0	34.4	29.0	27.9	21.5	19.3	18.3
67.5°	6956.0	1574.8	86.0	55.9	32.2	26.9	22.6	21.5	12.9	10.7	10.7
70°	5966.0	1096.5	68.8	40.8	23.6	21.5	18.3	14.0	9.7	8.6	8.6
71°	5410.2	915.9	62.3	34.4	20.4	20.4	17.2	11.8	8.6	7.5	7.5
72.5°	4494.4	650.3	52.7	26.9	18.3	21.5	18.3	10.7	8.6	7.5	6.4
75°	2608.9	272.0	36.5	18.3	14.0	25.8	23.6	9.7	6.4	5.4	5.4
77.5°	784.7	100.0	20.4	11.8	10.7	22.6	26.9	8.6	3.2	1.1	1.1
80°	143.0	43.0	12.9	7.5	7.5	14.0	20.4	4.3	0.0	0.0	0.0
82.5°	50.5	21.5	7.5	4.3	3.2	6.4	9.7	0.0	0.0	0.0	0.0
85°	29.0	15.0	4.3	2.1	0.0	1.1	2.1	0.0	0.0	0.0	0.0
87.5°	19.3	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)